

UNITED STATES PATENT AND TRADEMARK OFFICE
NON-PROVISIONAL UTILITY PATENT APPLICATION
APPLICATION DATA SHEET

USPTO Customer Number: 000039417

Sole Inventor:

Stephen Dintino, 913 Greenwood Circle, Coatesville, PA, 19320

Telephone: 610-331-6310, Fax: 610-384-6385

E-mail: SDintino@aol.com

United States citizen

Title of Invention:

Physically Aggressive Criminal Control and Restraint System - "The Giraffe"

Non-Provisional Utility Patent Application file date: 17 November 2003

NON-PROVISIONAL UTILITY PATENT APPLICATION

SPECIFICATION

TITLE OF INVENTION:

- 1 Physically Aggressive Criminal Control and Restraint System, "The Giraffe"
- 2 The sole inventor is Stephen Dintino, 913 Greenwood Circle, Coatesville, PA.

SPECIFICATION, DESCRIPTION AND DIMENSIONS:

- 3 The Physically Aggressive Criminal Control and Restraint System, "The
- 4 Giraffe", is a tool and system to be used by Police, Law Enforcement,
- 5 Corrections, Security, Medical and Public Safety personnel to safely control
- 6 and restrain a physically aggressive criminal or emotionally or psychologically
- 7 unstable person, threatening to injure or kill himself, herself or other people.

- 8 "The Giraffe" is intended to be used by one or two Public Safety personnel
- 9 who will hold and direct the tool around the arms and legs of the physically
- 10 aggressive person, which will safely influence the control and restraint of the
- 11 physically aggressive person, and which will provide the distance necessary to
- 12 protect the Public Safety personnel from the physically aggressive person.

- 13 "The Giraffe" is currently being used by the Tredyffrin Township Police
- 14 Special Operations Team, Chester County, Pennsylvania.

15 "The Giraffe" is a reinforced one and a half (1.5) inch PVC plastic or one (1)
16 inch tubular aluminum collapsible extension, folding, or attachable and
17 detachable pole, with three (3) sets of handles and one (1) shoulder support at
18 the users' end, and two (2) sets of control and restraint arms at the recipient's
19 end, ninety-six (96) inches in length overall, sixteen (16) inches in height at the
20 users' end, thirty-six (36) inches in height at the control and restraint
21 arms recipient's end, and thirty-four (34) inches in width at the control and
22 restraint arms recipient's end. Elastic rubber bands (rubber bungee straps)
23 connect the control and restraint arms.

CROSS-REFERENCE TO RELATED APPLICATIONS:

24 Not applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT:

25 Not applicable

REFERENCE TO SEQUENCE LISTING, A TABLE, OR A COMPUTER PROGRAM LISTING COMPACT DISK APPENDIX:

26 Not applicable

BACKGROUND OF THE INVENTION:

27 The Physically Aggressive Criminal Control and Restraint System, "The
28 Giraffe", is a tool and system to be used by Police, Law Enforcement,
29 Corrections, Security, Medical and Public Safety personnel to safely control
30 and restrain a physically aggressive criminal or emotionally or psychologically
31 unstable person, threatening to injure or kill himself, herself or other people.

32 "The Giraffe" is intended to be used by one or two Public Safety personnel
33 who will hold and direct the tool around the arms and legs of the physically
34 aggressive person, which will safely influence the control and restraint of the
35 physically aggressive person, and which will provide the distance necessary to
36 protect the Public Safety personnel from the physically aggressive person.

37 "The Giraffe" is currently being used by the Tredyffrin Township Police

38 Special Operations Team, Chester County, Pennsylvania.

BRIEF SUMMARY OF THE INVENTION:

39 In certain specific situations and incidents, “The Giraffe” can be used to
40 safely control and restrain a physically aggressive person by controlling the
41 subject’s arms and legs with the Giraffe’s rubber banded arms. The physically
42 aggressive person can be restrained against a wall, or in the absence of a wall,
43 the subject can be restrained by turning and rotating “The Giraffe” to place the
44 subject on the floor or ground.

45 “The Giraffe’ is intended to be used by trained personnel and in conjunction
46 and in coordination with the use of distractions and less lethal force, and an
47 element of subject control and restraint handlers. A comprehensive “Less
48 Lethal Tactical Intervention Tactic” training and instruction course is
49 provided and coordinated with the use of “The Giraffe”.

SEQUENCE LISTING:

50 Not applicable

ABSTRACT OF DISCLOSURE:

51 The Physically Aggressive Criminal Control and Restraint System,
52 “The Giraffe”, is a new and unique manual protective control and restraint tool,
53 which will safely control and restrain a physically aggressive person, and

54 which will provide the necessary distance from the physically aggressive
55 person to protect the users of the tool. The tool is specifically and
56 intentionally designed to be used by Public Safety personnel.

DRAWINGS:

57 An illustration of "The Giraffe" is attached, which is identified as "Illustration 1",
58 and which is listed with the descriptive parts on pages 7, 8 and 9. The
59 illustration scale is: forty-four thousandths (.044) inch equals one (1) inch.
60 The illustration of "The Giraffe" is numbered and identified.

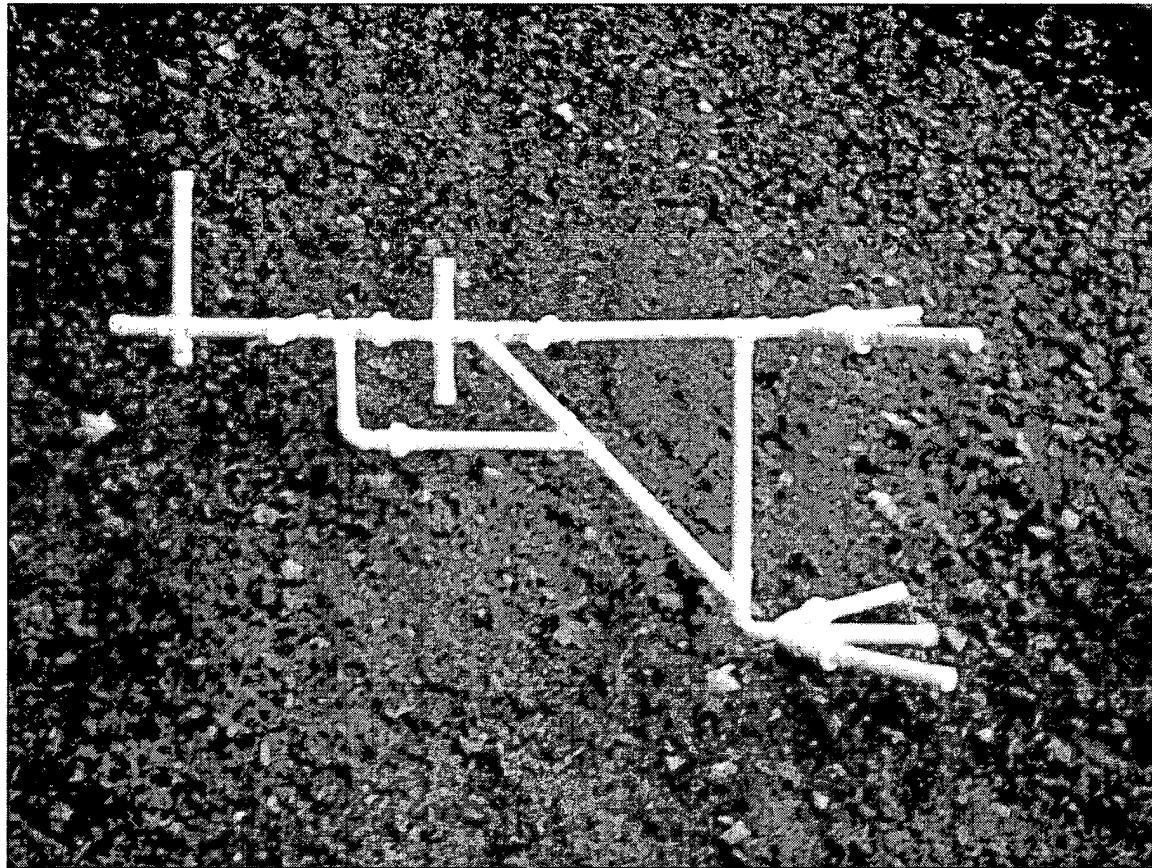
BEST AVAILABLE COPY

Illustration 1

"The Giraffe", Stephen Dintino, USPTO Customer No. 000039417

7 6 5 3 & 4
Below Below Below Below

1 & 2
Below



13 12 11 8, 9 & 10
Above Above Above Above

Legend:

- 61 The overall length of "The Giraffe" is 96 inches.
- 62 1 & 2: Two upper control and restraint arms, with detachable, folding or expandable joints. The two arms are 25 inches long, and the two arms are

64 34 inches apart at the ends. A rubber elastic band (rubber bungee strap) is
65 hooked and stretched between the ends of the arms. The upper control and
66 restraint arms are 36 inches apart from the lower control and restraint
67 arms (8, 9 & 10), which are connected by the vertical connector (11).

68 3 & 4: One person user horizontal and vertical handles. The handles are
69 7 inches long on each side of the pole. The one person user horizontal
70 handle is 50 inches from the end of the upper control and restraint
71 arms (1 & 2). The one person user vertical handle (3) is 12 inches from
72 the one person user horizontal handle (4).

73 5: Pole detachable, folding or expandable joint. The pole joint is 6 inches
74 from the one person user vertical handle (4).

75 6: Two person user horizontal handle. The handles are 7 inches long on each
76 side of the pole. The two person user horizontal handle is 12 inches from the
77 one person user vertical handle (4).

78 7: Two person user vertical shoulder support and handle. User's end.
79 The two person user vertical shoulder support and handle is 16 inches long,
80 and is 12 inches from the two person user horizontal handle.

81 8, 9 & 10: Three lower control and restraint arms, with detachable, folding or

82 expandable joints. The two outer arms are 25 inches long, and the two
83 outer arms are 34 inches apart at the ends. The center arm is 22 inches
84 long, and is 16.25 inches from each outer arm. A rubber elastic band
85 (bungee strap) is hooked and stretched between the ends the arms.

86 11: Vertical connector for the upper and lower control and restraint arms.
87 The vertical connector is 34 inches long, and connects the upper and lower
88 control and restraint arms.

89 12: Diagonal support for the vertical connector (11) and the pole. The
90 diagonal support is 42 inches long, and connects the vertical support and the
91 pole.

92 13: Diagonal support detachable, folding or expandable joint.

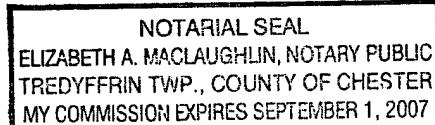
CLAIM OR CLAIMS:

93 I, Stephen Dintino, USPTO Customer Number 000039417, declare, affirm
94 and claim that I solely invented, initiated, developed and made "The Giraffe"
95 for the intent purpose and need to provide Police, Law Enforcement,
96 Corrections, Medical and Public Safety personnel with an unique tool to safely
97 control and restrain a physically aggressive person, and to minimize the use of
98 force.

COMMONWEALTH OF PENNSYLVANIA }
 } SS
COUNTY OF CHESTER }

On this seventeenth day of November 2003, before me, Elizabeth MacLaughlin,
the undersigned officer, personally appeared, Stephen Dintino, known to me and
satisfactorily proven to be the person whose name is subscribed to the within
instrument, and acknowledged that he executed the same for the purposes therein
contained.

In witness whereof, I hereunto set my hand and official seals.



Stephen Dintino
Stephen Dintino, USPTO Customer No. 000039417

Elizabeth A. MacLaughlin
Notary Public

913 Greenwood Circle, Coatesville, PA 19320

610-331-6310

<mailto:SDintino@aol.com>

NON-PROVISIONAL UTILITY PATENT APPLICATION SMALL ENTITY
FEE:

99 I, Stephen Dintino, sole inventor and applicant, declare and affirm that I am a
100 "small entity", and I respectfully petition the United States Patent and
101 Trademark Office to approve the patent of my invention, the Physically
102 Aggressive Criminal Control and Restraint System, "The Giraffe".
103 I submit the applicable fee of \$385 for the processing of this patent
104 application.

OATH OR DECLARATION:

105 I, Stephen Dintino, a United States citizen, residing at 913 Greenwood

106 Circle, Coatesville, PA, 19320, USPTO Customer Number 000039417,

107 declare and affirm that I am the sole inventor of the Physically Aggressive

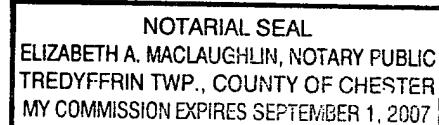
108 Criminal Control and Restraint System, "The Giraffe", and that the

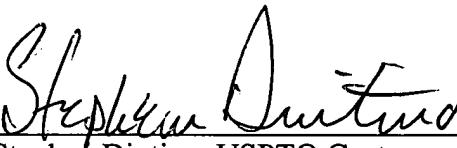
109 information contained in this application is true and correct.

COMMONWEALTH OF PENNSYLVANIA }
 } SS
COUNTY OF CHESTER }

On this seventeenth day of November 2003, before me, Elizabeth MacLaughlin, the undersigned officer, personally appeared, Stephen Dintino, known to me and satisfactorily proven to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seals.




Stephen Dintino, USPTO Customer No. 000039417


Elizabeth A. MacLaughlin
Notary Public

913 Greenwood Circle, Coatesville, PA 19320

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